CLAIMS

- A soy-containing dough comprising a flour-based dough and a deflavored soy protein material, wherein the deflavored soy protein material is prepared by a method comprising:
- (a) preparing an aqueous composition of a soy material containing soluble soy proteins, flavoring compounds, and insoluble materials:
- (b) solubilizing the soy proteins by adjusting the aqueous composition of (a) to a pH in the range of about 9 to about 12 and releasing the flavoring compounds:
- (c) passing the pH-adjusted aqueous composition of (b) adjacent an ultrafiltration membrane having a molecular weight cutoff up to about 50,000 Daltons, while maintaining the pH in the range of about 9 to about 12, under suitable ultrafiltration conditions wherein the flavor compounds pass through the membrane, thereby deflavoring the soy material and retaining substantially all of the solubilized soy proteins; and
- (d) recovering the solubilized soy proteins retained by the ultrafiltration membrane, wherein the recovered solubilized soy proteins is the deflavored soy protein material.
- The soy-containing dough of claim 1, wherein the soy material is at least one member of the group consisting of soy milk, soy protein isolate, soy concentrate, and soy flour.
- The soy-containing dough of claim 1, wherein the deflavored soy protein material used to prepare the dough is in a solid form.
- 4. The soy-containing dough of claim 2, wherein the aqueous composition of (a) has a concentration of soy material in the range of about 1 to about 20 percent.

- 5. The soy-containing dough of claim 2, wherein the ultrafiltration membrane has a cutoff in the range of about 1,000 to about 50,000 Daltons.
- 6. The soy-containing dough of claim 5, wherein the ultrafiltration membrane has a cutoff in the range of about 10,000 to about 30,000 Daltons.
- 7. The soy-containing dough of claim 2, wherein the ultrafiltration is carried out at a temperature in the range of about 10 to about 60°C and a suitable pressure.
- 8. The soy-containing dough of claim 6, wherein the ultrafiltration membrane is a polymer, ceramic, or inorganic membrane.
- The soy-containing dough of claim 2, wherein the soy-containing dough is a pizza dough, a cookie dough, a cracker dough, or a cereal dough.
- The soy-containing dough of claim 3, wherein the soy-containing dough is a pizza dough, a cookie dough, a cracker dough, or a cereal dough.
- 11. A soy-containing baked product comprising product prepared from a flour-based dough containing a deflavored soy protein material, wherein the deflavored soy protein material is prepared by a method comprising:
- (a) preparing an aqueous composition of a soy material containing soluble soy proteins, flavoring compounds, and insoluble materials;
- (b) solubilizing the soy proteins by adjusting the aqueous composition of (a) to a pH in the range of about 9 to about 12 and releasing the flavoring compounds;
- (c) passing the pH-adjusted aqueous composition of (b) adjacent an ultrafiltration membrane having a molecular weight cutoff up to about 50,000 Daltons, while maintaining the pH in the range of about 9 to about 12, under suitable ultrafiltration conditions wherein the flavor compounds pass through

the membran , thereby deflavoring the soy material and retaining substantially all of the solubilized soy proteins; and

- (d) recovering the solubilized soy proteins retained by the ultrafiltration membrane, wherein the recovered solubilized soy proteins is the deflavored soy protein material.
- 12. The soy-containing baked product of claim 11, wherein the soy material is at least one member of the group consisting of soy milk, soy protein isolate, soy concentrate, and soy flour.
- 13. The soy-containing baked product of claim 11, wherein the deflavored soy protein material contained in the dough is in a solid form.
- 14. The soy-containing baked product of claim 12, wherein the aqueous composition of (a) has a concentration of soy material in the range of about 1 to about 20 percent.
- 15. The soy-containing baked product of claim 12, wherein the ultrafiltration membrane has a cutoff in the range of about 1,000 to about 50.000 Daltons.
- 16. The soy-containing baked product of claim 15, wherein the ultrafiltration membrane has a cutoff in the range of about 10,000 to about 30,000 Daltons.
- 17. The soy-containing baked product of claim 12, wherein the ultrafiltration is carried out at a temperature in the range of about 10 to about 60°C and a suitable pressure.
- 18. The soy-containing baked product of claim 16, wherein the ultrafiltration membrane is a polymer, ceramic, or inorganic membrane.

- The soy-containing baked product of claim 12, wherein the soycontaining baked product is a pizza crust, a cookie, a cracker, or a cereal.
- The soy-containing baked product of claim 13, wherein the soycontaining baked product is a pizza crust, a cookie, a cracker, or a cereal.
- A method of preparing a soy-containing baked product containing a deflavored soy protein material, said method comprising
- (1) preparing a soy-containing dough comprising a flour-based dough and a deflayored soy protein material: and
- (2) baking the soy-containing dough to form the soy-containing baked product;

wherein the deflavored soy protein material is prepared by a method comprising:

- (a) preparing an aqueous composition of a soy material containing soluble soy proteins, flavoring compounds, and insoluble materials;
- (b) solubilizing the soy proteins by adjusting the aqueous composition of (a) to a pH in the range of about 9 to about 12 and releasing the flavoring compounds;
- (c) passing the pH-adjusted aqueous composition of (b) adjacent an ultrafiltration membrane having a molecular weight cutoff up to about 50,000 Daltons, while maintaining the pH in the range of about 9 to about 12, under suitable ultrafiltration conditions wherein the flavor compounds pass through the membrane, thereby deflavoring the soy material and retaining substantially all of the solubilized soy proteins; and
- (d) recovering the solubilized soy proteins retained by the ultrafiltration membrane, wherein the recovered solubilized soy proteins is the deflavored soy protein material.

- 22. The method of claim 21, wherein the soy material is at least one member of the group consisting of soy milk, soy protein isolate, soy concentrate, and soy flour.
- 23. The soy-containing baked product of claim 22, wherein the deflavored soy protein material contained in the dough is in a solid form.
- 24. The method of claim 22, wherein the aqueous composition of (a) has a concentration of soy material in the range of about 1 to about 20 percent.
- 25. The method of claim 22, wherein the ultrafiltration membrane has a cutoff in the range of about 1,000 to about 50,000 Daltons.
- 26. The method of claim 25, wherein the ultrafiltration membrane has a cutoff in the range of about 10.000 to about 30.000 Daltons.
- 27. The method of claim 22, wherein the ultrafiltration is carried out at a temperature in the range of about 10 to about 60°C and a suitable pressure
- 28. The method of claim 26, wherein the ultrafiltration membrane is a polymer, ceramic, or inorganic membrane.
- The method of claim 22, wherein the soy-containing baked product is a pizza crust, a cookie, a cracker, or a cereal.
- 30. The method of claim 23, wherein the soy-containing baked product is a pizza crust, a cookie, a cracker, or a cereal.